

Options

Indoor unit

No.	Item	FTK(X)S25/35E	FTK(X)S50/60/71F
1	5-room centralised controller	*1	KRC72
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)		KRP413A1S
3	Titanium apatite photocatalytic air-purifying filter	*3	KAF970A46
4	Remote controller loss prevention with chain		KKF917A4

Note: *1. A wiring adaptor (KRP413A1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The filter is a standard accessory. It should be replaced approximately every 3 years.



5-room centralised controller
KRC72



Titanium apatite photocatalytic
air-purifying filter
KAF970A46



Titanium apatite photocatalytic
air-purifying filter
KAF952B42



Remote controller loss
prevention with chain
KKF917A4

Outdoor unit

No.	Item	RK(X)S25/35EB	RKS50/60/71F, RXS50/60F	RXS71F
1	Air direction adjustment grille	KPW937A4	KPW945A4	
2	Drain plug		KKP937A4*1	KKP945A4

Note: *1. One set includes 5 pieces for 5 units.



Air direction adjustment grille
KPW945A4



Drain plug
KKP937A4

Control system

No.	Item	FTK(X)S25/35E	FTK(X)S50/60/71F
1	Central remote controller	*1	DCS302CA61
2	Unified On/Off controller	*1	DCS301BA61
3	Schedule timer	*1	DST301BA61
4	Interface adaptor for DIII-NET use		KRP928B2S

Note: *1. A wiring adaptor (KRP928B2S) is also required for each indoor unit.



Central remote controller
DCS302CA61



Unified On/Off controller
DCS301BA61



Schedule timer
DST301BA61

Warning



● Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.

● Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.

● Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.

● Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.



JMI-0107



JQA-1452

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.



EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

DAIKIN INDUSTRIES, LTD.

Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi,
Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan,
Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

©All rights reserved
Printed in Japan 02/08/003 Y.K., P.C.

Specifications are subject to change.

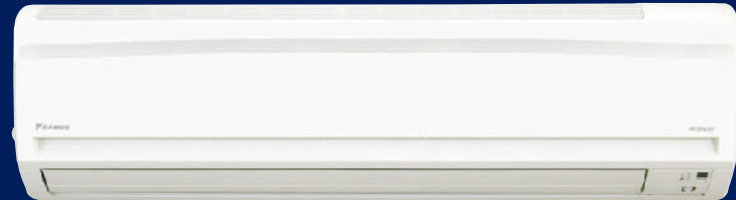
Specifications, designs and other content appearing in this brochure are current as of February 2008 but subject to change without notice.



PCR0709A

Split Type Air Conditioners

DC Inverter Power Control
Cooling Only & Heat Pump [50 Hz] **R-410A**



This catalogue is available for Hong Kong and South Africa.

Always around Us

They are always there, just like air. We believe air conditioners should have simple designs that merge smoothly with our daily lives. Daikin's subtle flat panel design blends seamlessly into any room interior. A line-up from 2.5 to 7.1 kW is available.



FTK(X)S25/35E



FTK(X)S50/60/71F

Sophisticated Appearance with Flat Panel

The series' simple and stylish flat panel design harmonises with any interior decor.

► See pages 4 to 7.

Higher Energy Savings

The DC Inverter series achieves high COPs thanks to its swing compressor with Reluctance DC motor and DC motor for fan. The 2.5 kW model delivers a 48% higher COP of 4.17.

► See pages 8 and 9.

Quiet Operation

Daikin has achieved lower sound levels for both the indoor and outdoor units. The 2.5 kW model now operates at a whisper-like 22 dB.

► See page 11.

Cleanliness

The range of clean features includes the photocatalytic air-purifying filters, Mould-Proof Operation and Wipe-Clean Flat Panel.

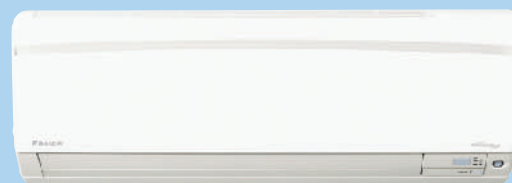
► See pages 12 and 13.

A Refreshingly Simple Design

The stylish flat panel design creates a simplicity and sophistication that enhances any interior space. The flat panel can be cleaned with a single wipe.



Stylish Design Creates Harmony in Any Interior Space



FTKS25/35E and FTXS25/35E



RKS25/35EB and RXS25/35EB



Cooling Only Type

FTKS25EVMA / RKS25EBVMA
Cooling 2.5 (1.2-3.0) kW
8,500 (4,100-10,200) Btu/h

FTKS35EVMA / RKS35EBVMA
Cooling 3.5 (1.2-3.8) kW
11,900 (4,100-12,950) Btu/h

Heat Pump Type

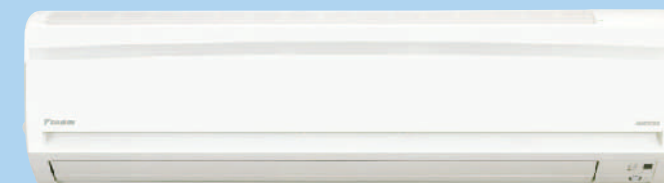
FTXS25EVMA / RXS25EBVMA
Cooling 2.5 (1.2-3.0) kW
8,500 (4,100-10,200) Btu/h
Heating 3.4 (1.2-4.5) kW
11,600 (4,100-15,350) Btu/h

FTXS35EVMA / RXS35EBVMA
Cooling 3.5 (1.2-3.8) kW
11,900 (4,100-12,950) Btu/h
Heating 4.0 (1.2-5.0) kW
13,600 (4,100-17,050) Btu/h



The Good Design Award is sponsored by the Japan Industrial Design Promotion Organization to promote excellence in commercial product design.

INVERTER



FTKS50/60/71F and FTXS50/60/71F



RKS50/60/71F and RXS50/60F



RXS71F

Cooling Only Type

FTKS50FVM / RKS50FVM
Cooling 5.0 (1.7-6.0) kW
17,100 (5,800-20,500) Btu/h

FTKS60FVM / RKS60FVM
Cooling 6.0 (1.7-6.7) kW
20,500 (5,800-22,900) Btu/h

FTKS71FVM / RKS71FVM
Cooling 7.1 (2.3-8.3) kW
24,200 (7,800-28,300) Btu/h

Heat Pump Type

FTXS50FVMA / RXS50FVMA
Cooling 5.0 (1.7-6.0) kW
17,100 (5,800-20,500) Btu/h
Heating 5.8 (1.7-7.7) kW
19,800 (5,800-26,300) Btu/h

FTXS60FVMA / RXS60FVMA
Cooling 6.0 (1.7-6.7) kW
20,500 (5,800-22,900) Btu/h
Heating 7.0 (1.7-8.0) kW
23,900 (5,800-27,300) Btu/h

FTXS71FVMA / RXS71FVMA
Cooling 7.1 (2.3-8.5) kW
24,200 (7,800-29,000) Btu/h
Heating 8.2 (2.3-10.0) kW
28,000 (7,900-34,100) Btu/h

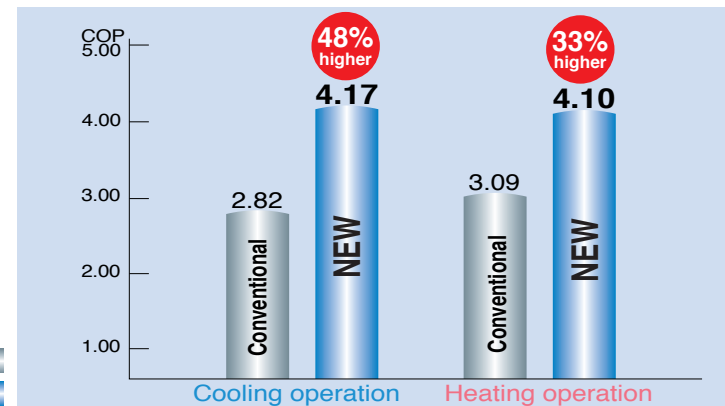
INVERTER



DC Inverter Power Control Achieves High COPs

The DC Inverter series features the Reluctance DC motor for compressor and DC motor for fan. This hi-tech energy-saving package is completed by Daikin's advanced swing compressor and PAM control. FTXS25E achieves a COP of 4.17, 48% higher than conventional model. This is the result of upgrading from conventional AC inverter to advanced DC Inverter technology.

FTXE25BVMA
FTXS25EVMA



Inverter Advantages Compared to Non-Inverter

Inverters are devices that are able to vary their operating capacity by adjusting frequency. Inverter air conditioners can vary their heating/cooling capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed heating/cooling capacity and can only control the indoor temperature by starting or stopping their compressors.

Energy Saving

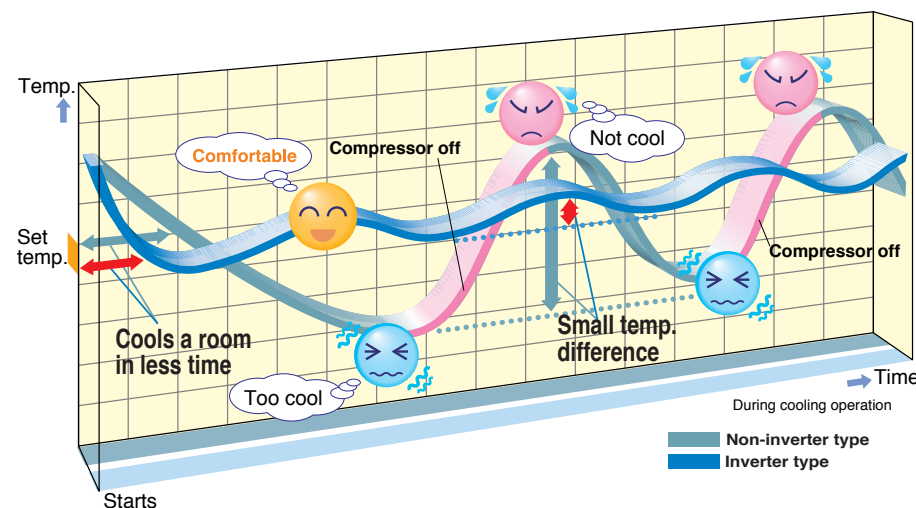
After the indoor temperature approaches the set temperature, Inverter Control adjusts to low capacity operation to maintain this temperature. This makes inverter models more energy-saving than non-inverter models, which must repeatedly start or stop their compressors to maintain the room temperature.

Powerful

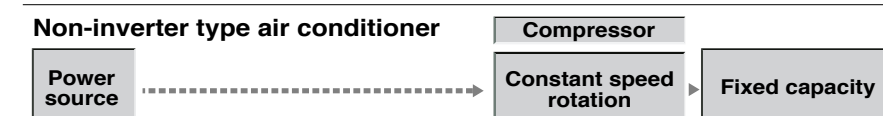
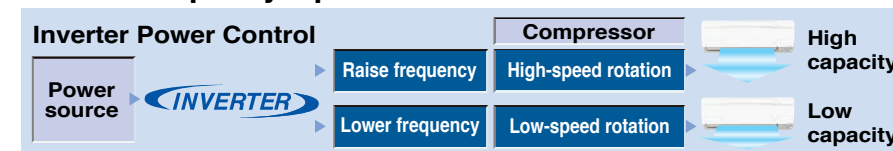
Inverter air conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.

Comfortable

Inverter air conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature is small. These give higher comfort levels than with non-inverter air conditioners.



Variable Capacity Operation

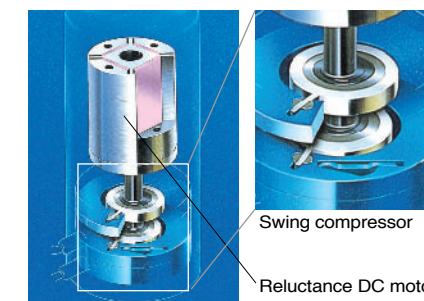


Inverter air conditioners are able to vary their operating capacity. Non-inverter air conditioners can only operate at a fixed capacity.

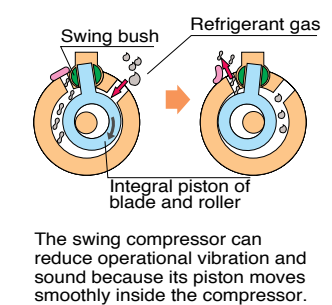
Energy-Saving Technological Features



Swing Compressor

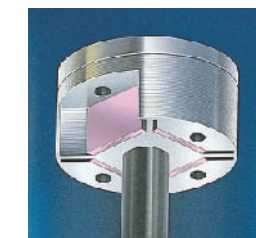


Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.



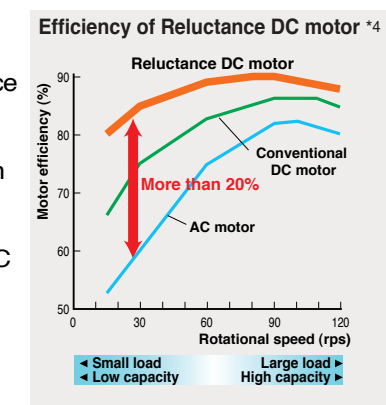
This marked the development of a high-performance swing compressor that was compatible with alternative fluorocarbons. The prize was presented in 1997.

Reluctance DC Motor for Compressor



Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet^{*1} and reluctance torque^{*2}. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor. It is more efficient at the low frequencies most commonly used by air conditioners,^{*3} improving efficiency by approximately 20%.

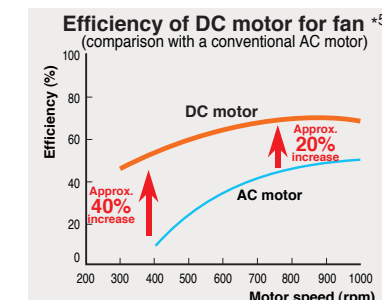
- ^{*1} A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
^{*2} The torque created by the change in power between the iron and magnet parts.
^{*3} The frequency range used by air conditioners during periods of stable operation. This is the range in which air conditioners operate for the longest periods.



This was the first scroll compressor to be equipped with the Reluctance DC motor in commercial-use air conditioners. The Institute of Electrical Engineers of Japan presented the award in 1998.

DC Motor for Fan

The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to an AC motor. These improvements are particularly noticeable in the low-speed range.



^{*5} Data are based on studies conducted under controlled conditions at a Daikin laboratory.

PAM Control



PAM (Pulse Amplitude Modulation) control reduces energy loss by controlling how often the converter switches on and off.

What Is DC Inverter?

Daikin calls an inverter model that is equipped with a DC motor DC Inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with high-power neodymium magnets, which enable even greater efficiency, is called a Reluctance DC motor.

Efficient Operation with No Energy Wastage and Quiet Operation

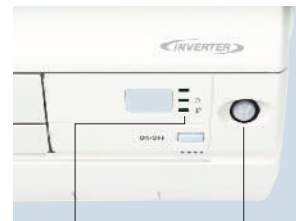


Intelligent Eye

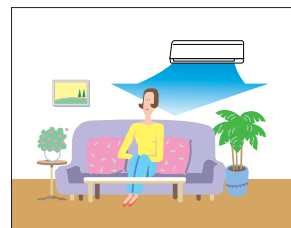
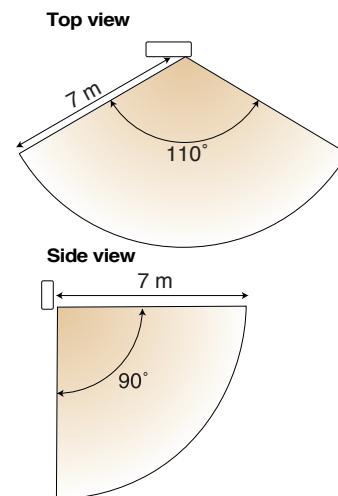
Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. When there is no movement, Intelligent Eye increases/decreases the temperature by 2 °C to give energy savings of up to 20% for cooling operation and 30% for heating operation. This reduces energy wastage if, for example, you forget to turn off the air conditioner.

All models from 2.5 to 7.1 kW class are equipped with Intelligent Eye. This function can be conveniently activated from the remote controller.

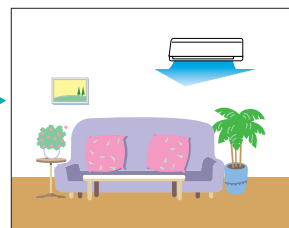
Once Intelligent Eye is set, it continues to work to save energy. You do not need to push the SENSOR button each time you wish to use this function.



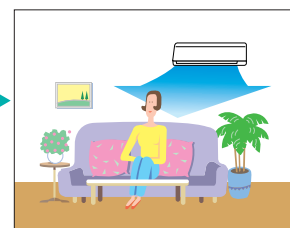
The Intelligent Eye indicator lights when movement is detected. Intelligent Eye sensor



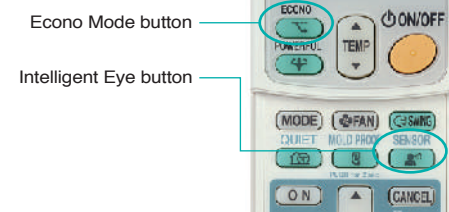
When you are in the room, the air conditioner maintains the set temperature.



If Intelligent Eye detects no human movement for 20 minutes, it automatically adjusts the set temperature by 2 °C.



When you enter the room, Intelligent Eye automatically returns the temperature to the set level.



Econo Mode button

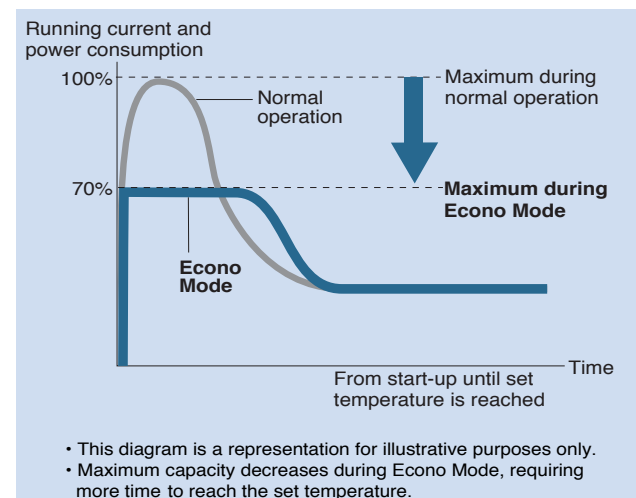
Intelligent Eye button



Econo Mode

This function limits both the maximum running current and maximum power consumption to 70% of those during normal operation. It is particularly effective if the cooling/heating load is high, for example, at start-up or during large gatherings and periods of direct sunshine. At the same time, it maintains maximum capacity at 80% of normal, giving improved operating efficiency, although it may take slightly longer to reach the set temperature.

Econo Mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button. Econo Mode is available for FTK(X)S25/35E.



Indoor Unit Quiet Operation

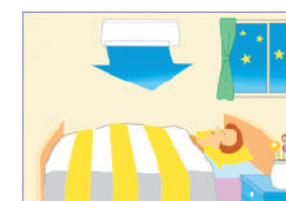
This series gives you the choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation. This function decreases the operation sound level by 3 dB below the Low setting.

This wide range of settings allows you to precisely control the fan speed according to your requirements. For example, Indoor Unit Quiet Operation provides you with a good night's sleep. The sound level for FTK(X)S 25E is 22 dB.

FTK(X)S25E

Fan speeds	Sound levels
High (H)	37 dB
Low (L)	25 dB
Quiet (SL)	22 dB

During cooling operation



Indoor Unit Quiet Operation icon

Selects fan speed and Indoor Unit Quiet Operation

Outdoor Unit Quiet Operation



	Auto	SL	L	M	H
Fan speed		Low			High
Sound level		Each decrease in airflow volume reduces the sound level by 2 or 3 dB.			



Outdoor Unit Quiet Operation

Outdoor Unit Quiet Operation is available for all models from 2.5 to 7.1 kW class. This function decreases the operation sound level by 3 dB below the rated operation. It provides a low sound level of 43 dB for RK(X)S25EB.

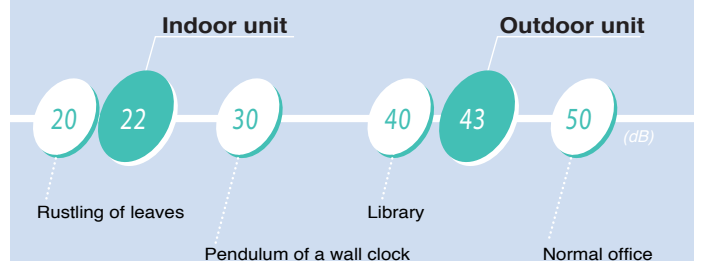
Capacity may decrease when Outdoor Unit Quiet Operation is selected.

RK(X)S25EB

Operations	Sound levels
Rated (H)	46 dB
Quiet (L)	43 dB

During cooling operation

22 dB Is So Quiet You Can Even Hear Whispers



Based on "Examples of Sound Levels", Ministry of the Environment, Japan, November 12, 2002

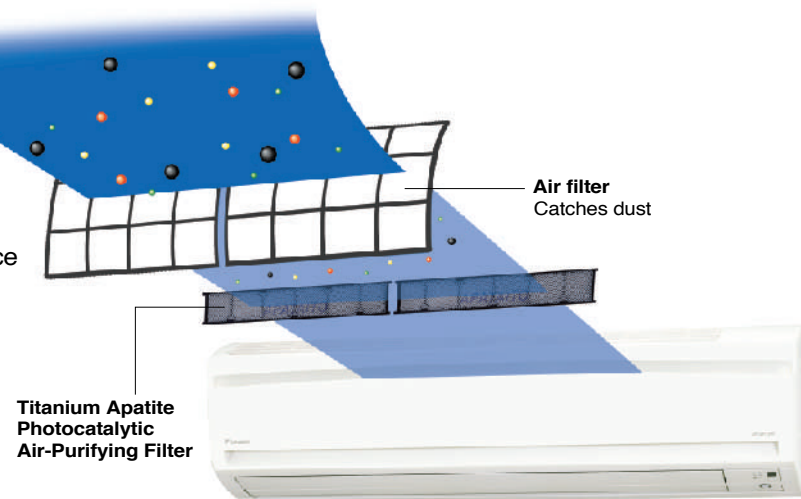


Titanium Apatite Photocatalytic Air-Purifying Filter

Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria and viruses, and also breaks down mould and odours. The photocatalyst is activated simply by exposure to natural light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed.

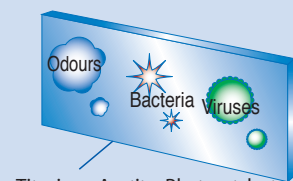


Bacteria removal test
Testing method: Dropping method
Testing organisation: Japan Spinners Inspecting Foundation
Result certificate: No. 012553-1 and 012553-2



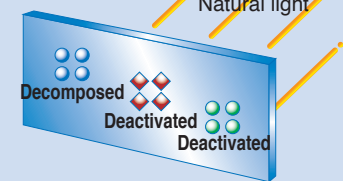
Effect of Titanium Apatite Photocatalyst

Adsorbs



Titanium Apatite Photocatalyst

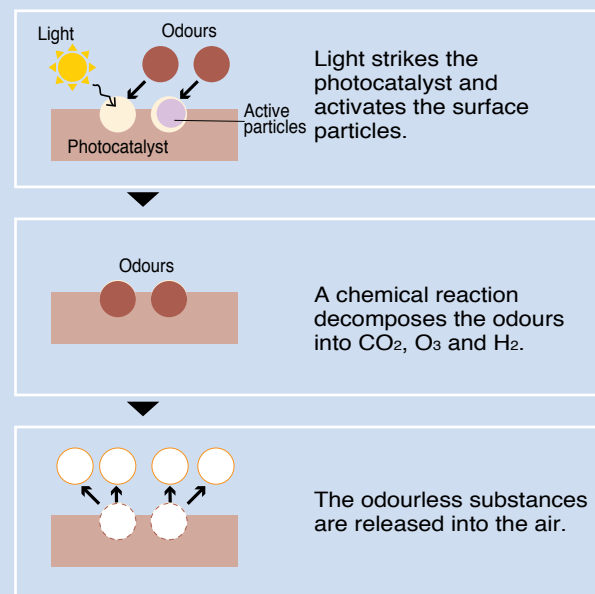
Removes



Apatite strongly adsorbs bacteria and viruses. At the same time, the photocatalyst powerfully oxidises odour components, breaking them down. Viruses are turned into clumps of protein and removed.

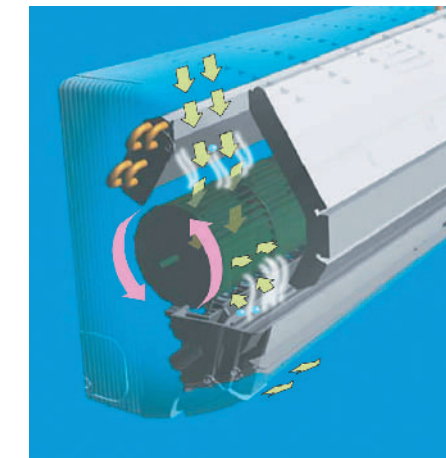
Photocatalyst Mechanism

The Titanium Apatite Photocatalytic Air-Purifying Filter incorporates titanium apatite. Titanium apatite is a new photocatalyst material with advanced adsorption power. When this photocatalyst is exposed to light, a powerful oxidising action occurs.



Mould-Proof Operation

When cooling or dry operation is stopped, fan-only operation runs automatically for 1 hour. This airflow dries the inside of the indoor unit to reduce the generation of mould and odours. It is available with FTK(X)S25/35E.

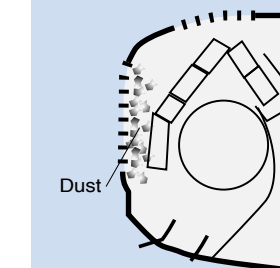


Wipe-Clean Flat Panel

Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.



Conventional Front Grille Design



Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

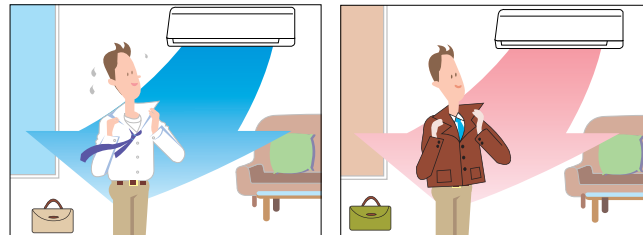
1. Difficult to remove dust on the grille through wiping alone

2. Reduced capacity due to increased suction resistance

3. High sound levels due to increased suction resistance

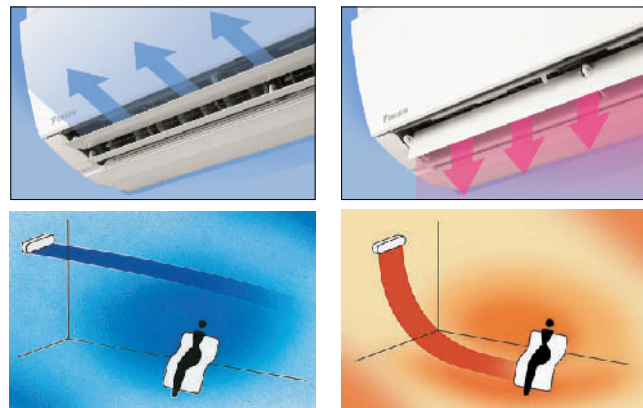
Comfortable Airflow

Inverter Powerful Operation boosts cooling/heating performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.



Power-Airflow Dual Flaps and Wide-Angle Louvers work in tandem to precisely control both vertical and horizontal airflow for distribution of air.

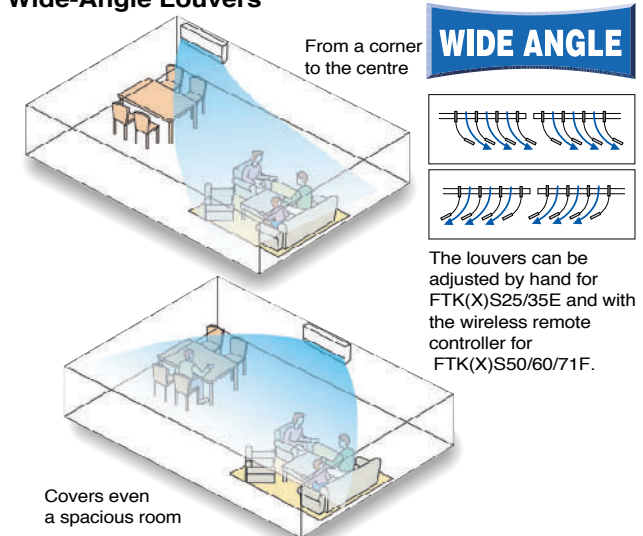
Power-Airflow Dual Flaps



Cooling: the flaps flatten out during operation so that cool air slides off to reach the corner of the room.

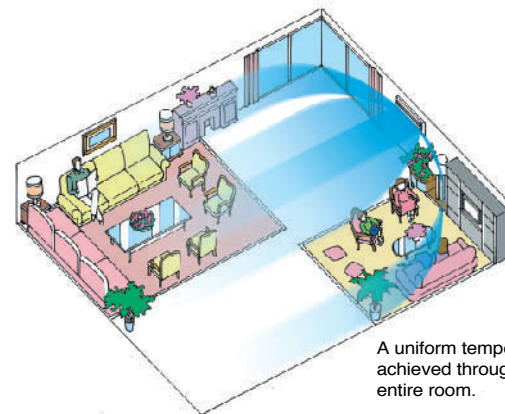
Heating: the flaps descend to blow warm air directly down to the floor to quickly warm the whole room.

Wide-Angle Louvers

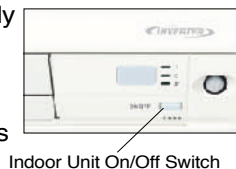


Vertical Auto-Swing automatically moves the flaps up and down and **Horizontal Auto-Swing** automatically moves the louvers to the left and right. **3-D Airflow** combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling/heating of even large spaces.

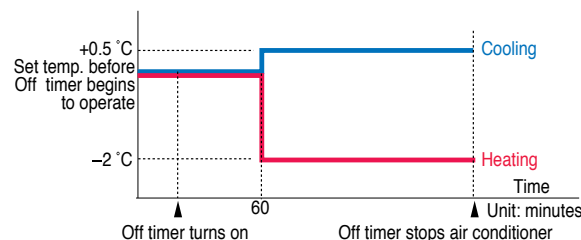
Horizontal Auto-Swing and 3-D Airflow are available for FTK(X)S50/60/71F.



The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.



Pressing the **Off timer** button automatically selects **Night Set Mode**. This function prevents any sudden change in room temperature by gradually raising/lowering the temperature before the air conditioner stops, so you can sleep comfortably.



Cooling operation: Room temperature is raised by 0.5 °C after 60 minutes, while minimum outdoor unit sound levels are maintained. If the outdoor temperature is below 27 °C, room temperature is raised by a further 0.5 °C after 90 minutes for FTK(X)S50/60/71F.

Heating operation: Room temperature is lowered by 2 °C after 60 minutes.

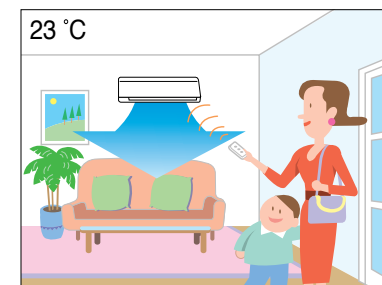
Lifestyle Convenience

Home Leave Operation prevents large rises or falls in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

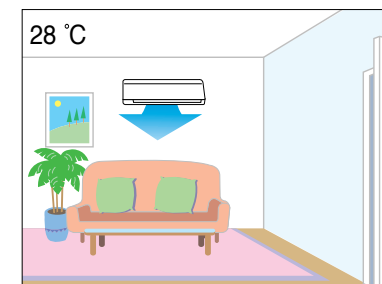
* Home Leave Operation can be set at any temperature from 18 to 32 °C for cooling operation and 10 to 30 °C for heating operation.

Home Leave Operation is available for FTK(X)S50/60/71F.

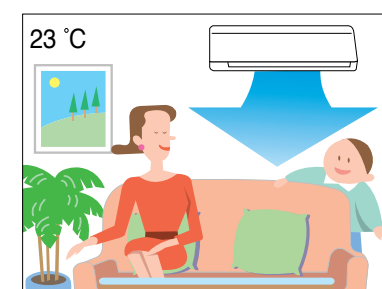
During cooling operation, 23 °C for the room temperature setting, and 28 °C for the Home Leave setting.



Start Home Leave Operation simply by pushing its button on the remote controller.



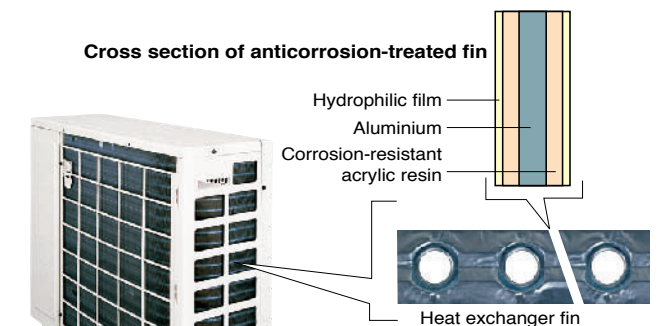
When you are out of your home, your air conditioner prevents large rises/falls in the indoor temperature by continuing to operate using Home Leave Operation settings.



When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.

Worry Free

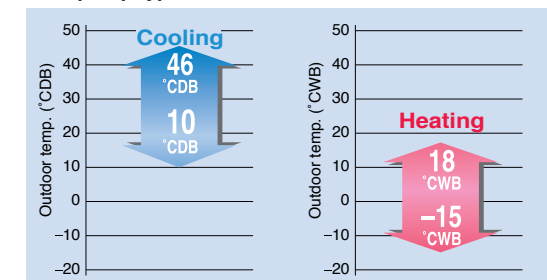
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.



Wide Operation Range

Even during cold seasons, a crowded party or sudden change in the indoor temperature can leave a room overheated. With the heat pump type FTXS50/60/71F, cooling operation is possible even during outdoor temperatures of as low as 10 °C. Heating operation can also be performed during outdoor temperatures of -15 to 18 °C. This makes these units ideal for even very cold areas.

Heat pump type FTXS50/60/71F



Installation Flexibility

A long piping length gives installation flexibility. Installation is possible even if there is no space for the outdoor unit near the indoor unit.

	Max. piping length	Max. height difference
FTK(X)S25/35E	20 m	15 m
FTK(X)S50/60/71F	30 m	20 m

Comfortable Airflow



Power-Airflow Dual Flaps

Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. The flaps can direct warm air straight down to the floor during heating operation.

► See page 14



Wide-Angle Louvers

The smoothly curved Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.

► See page 14



Vertical Auto-Swing (up and down)

This function automatically moves the flaps up and down to distribute air across a room.

► See page 14



Horizontal Auto-Swing (left and right)

Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool/warm air.

► See page 14



3-D Airflow

This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool/warm air right to the corners of even large spaces.

► See page 14

Lifestyle Convenience



Econo Mode

This mode limits maximum running current and power consumption to 70% of normal operation, while maintaining maximum capacity at 80%. This improves operating efficiency and also prevents circuit breakers from being overloaded.

► See page 10



Inverter Powerful Operation

This function is convenient for boosting cooling/heating performance for a 20-minute period both when you first turn on your air conditioner or want to quickly change the room temperature.

► See page 14



Home Leave Operation

Home Leave Operation continues operation to prevent a room from becoming too hot or cold, while you are sleeping or out of your home. Select any temperature from 18 to 32 °C for cooling operation and 10 to 30 °C for heating operation.

► See page 15



Indoor Unit On/Off Switch

There is a second On/Off switch on the body of the indoor unit to prevent any problems if the wireless remote controller is misplaced.

► See page 14

Comfort Control



Indoor Unit Quiet Operation

Indoor unit operating sound levels are decreased by 2 or 3 dB from the Low setting fan speed using the wireless remote controller.

► See page 11



Outdoor Unit Quiet Operation

Outdoor unit operating sound levels are decreased by 3 dB from the rated operation sound using the wireless remote controller.

► See page 11



Intelligent Eye

Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by ±2 °C for energy savings of up to 20% for cooling operation and 30% for heating operation.

► See page 10



Automatic Operation

This function automatically selects cooling or heating operation mode based on the room temperature at start-up.



Programme Dry Function

This function automatically reduces the level of humidity while maintaining the preset room temperature.



Auto Fan Speed

The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers



24-Hour On/Off Timer

This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/ stopped simply by pressing the On/Off timer button on the wireless remote controller.



Night Set Mode

Pressing the Off timer button automatically selects Night Set Mode. This function prevents any sudden change in room temperature by gently raising/lowering the temperature before the air conditioner stops, so you can sleep comfortably.

► See page 14

Worry Free



Auto-Restart after Power Failure

The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.



Self-Diagnosis with Digital Display

Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.



Anticorrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.

► See page 15

Cleanliness



Titanium Apatite Photocatalytic Air-Purifying Filter

This filter contains the new photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria and viruses, and breaks down mould and odours. The filter can be used for up to 3 years with proper maintenance.

► See page 12



Mould-Proof Operation

Mould-Proof Operation automatically runs fan-only operation for 1 hour when cooling or dry operation is stopped. This airflow prevents the generation of mould and mould odours inside the indoor unit.

► See page 13



Wipe-Clean Flat Panel

The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.

► See page 13



Mould-Proof Air Filter

The air filter is finished with a coating that suppresses the growth of mould on its surface.

Others

Comfort Control

Quick Warming Function

During low outdoor temperatures, this function pre-heats the compressor to shorten the time required to discharge warm air.

Automatic Defrosting

Before starting heating operation, a sensor checks for frost in the outdoor unit and performs automatic defrosting if necessary so that only warm air is discharged.

Hot-Start Function

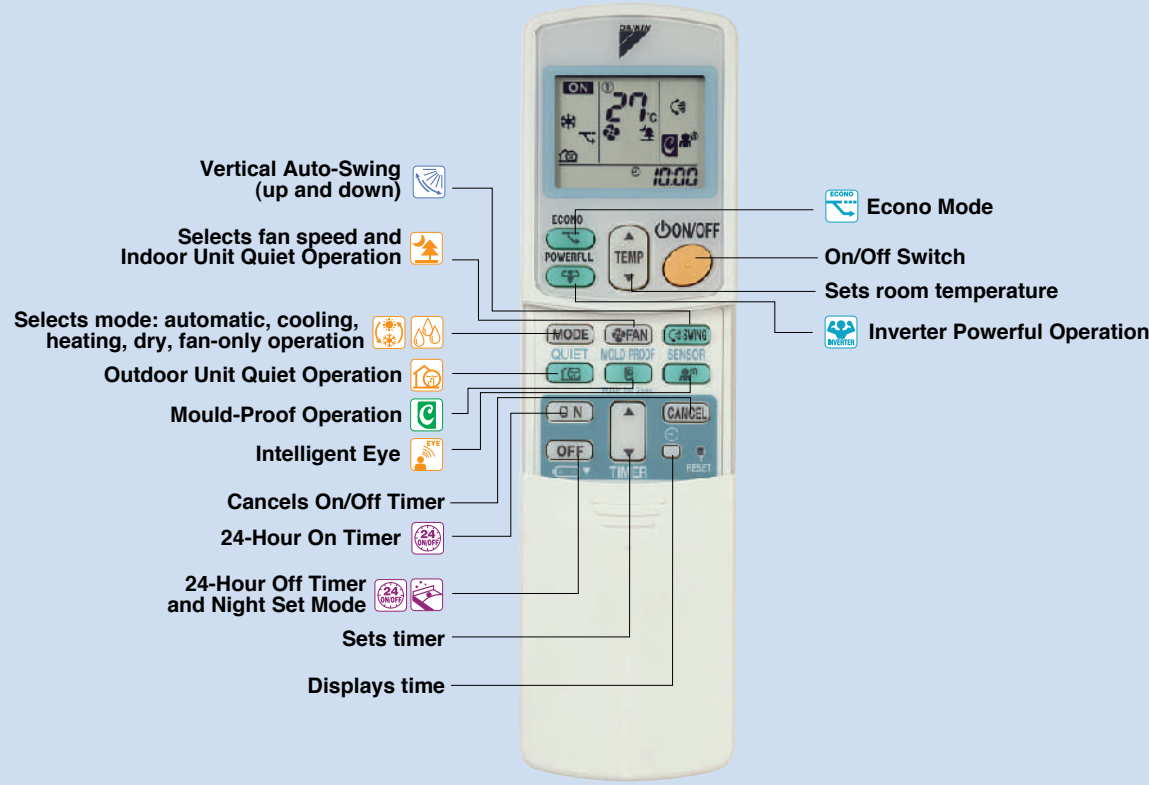
After defrosting or when starting heating operation, air is pre-heated before discharge to prevent uncomfortable cold drafts.

Models		Wall-mounted type	
		FTK(X)S 25/35E	FTK(X)S 50/60/71F
Functions			
Comfortable Airflow	DC Inverter		
	Power-Airflow Dual Flaps		
	Wide-Angle Louvers		
	Vertical Auto-Swing (up and down)		
	Horizontal Auto-Swing (left and right)		
Comfort Control	3-D Airflow		
	Indoor Unit Quiet Operation		
	Outdoor Unit Quiet Operation		
	Intelligent Eye		
	Automatic Operation*		
	Programme Dry Function		
Lifestyle Convenience	Auto Fan Speed		
	Econo Mode		
	Inverter Powerful Operation		
	Home Leave Operation		
Cleanliness	Indoor Unit On/Off Switch		
	Titanium Apatite Photocatalytic Air-Purifying Filter		
	Mould-Proof Operation		
Timers	Wipe-Clean Flat Panel		
	Mould-Proof Air Filter		
Worry Free	24-Hour On/Off Timer		
	Night Set Mode		
	Auto-Restart after Power Failure		
	Self-Diagnosis with Digital Display		
	Anticorrosion Treatment of Outdoor Heat Exchanger Fins		

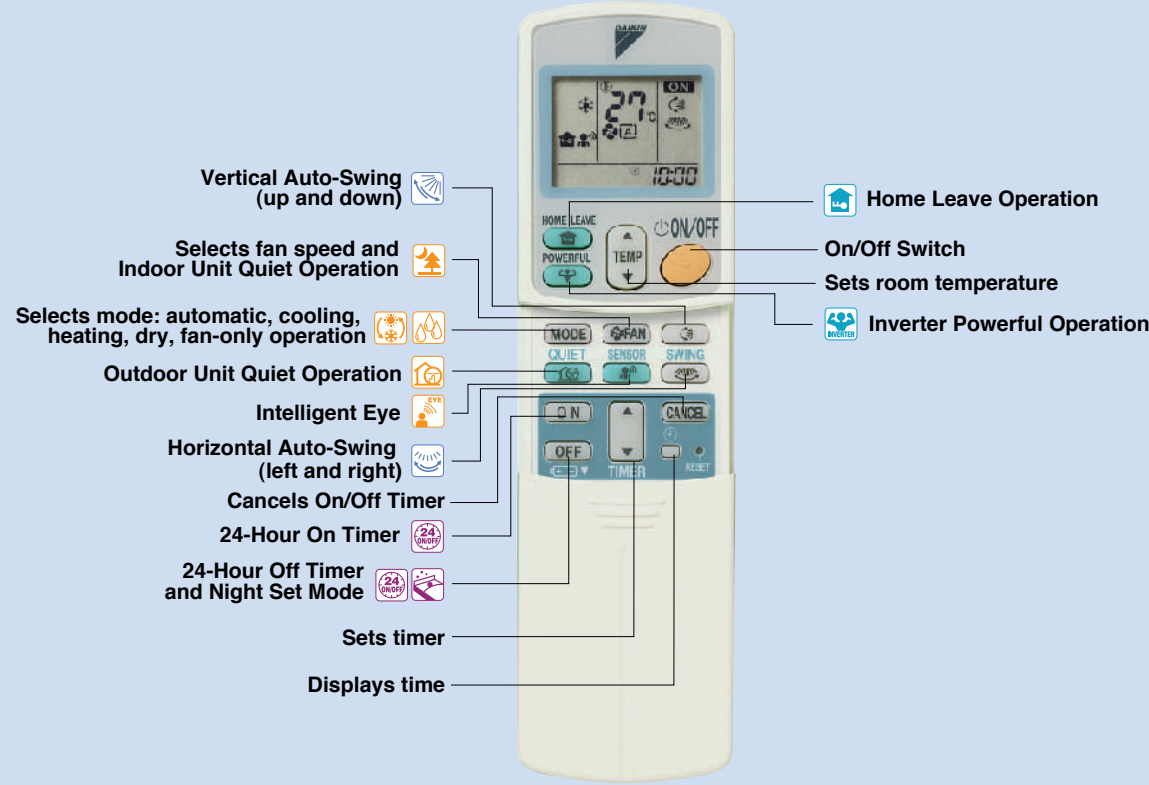
* Available with the heat pump type.

Easy-to-Use Wireless Remote Controller

Wireless remote controller for FTK(X)S25/35E



Wireless remote controller for FTK(X)S50/60/71F



Specifications

FTK(X)S25/35E

Model name	Indoor unit			Cooling only		Heat pump	
	Outdoor unit			FTKS25EVMA	FTKS35EVMA	FTXS25EVMA	FTXS35EVMA
				RKS25EBVMA	RKS35EBVMA	RXS25EBVMA	RXS35EBVMA
Capacity	Cooling	Rated (Min.-Max.)	kW	2.5 (1.2-3.0)	3.5 (1.2-3.8)	2.5 (1.2-3.0)	3.5 (1.2-3.8)
			Btu/h	8,500 (4,100-10,200)	11,900 (4,100-12,950)	8,500 (4,100-10,200)	11,900 (4,100-12,950)
	Heating	Rated (Min.-Max.)	kW	—	—	3.4 (1.2-4.5)	4.0 (1.2-5.0)
			Btu/h	—	—	11,600 (4,100-15,350)	13,600 (4,100-17,050)
Power supply				1 phase, 220-240 V/220-230 V, 50/60 Hz			
Running current	Cooling	Rated	A	3.5	4.9	3.5	4.9
	Heating			—	—	4.3	5.1
Power consumption	Cooling	Rated	W	600 (300-800)	1,020 (300-1,200)	600 (300-800)	1,020 (300-1,200)
	Heating	(Min.-Max.)		—	—	830 (290-1,340)	1,080 (290-1,550)
COP	Cooling	Rated	W/W	4.17	3.43	4.17	3.43
	Heating			—	—	4.10	3.70
Indoor unit				FTKS25EVMA	FTKS35EVMA	FTXS25EVMA	FTXS35EVMA
Front panel colour				White			
Airflow rate (H)	Cooling	m³/min		8.7 (307)	8.9 (314)	8.7 (307)	8.9 (314)
	Heating	(cfm)		—	—	9.4 (332)	9.7 (342)
Fan speed				5 steps, quiet and automatic			
Sound levels (H/L/SL)	Cooling	dB (A)		37/25/22	38/26/23	37/25/22	38/26/23
	Heating			—	—	37/28/25	38/29/26
Dimensions (H x W x D)				283 x 800 x 195			
Machine weight				9			
Outdoor unit				RKS25EBVMA	RKS35EBVMA	RXS25EBVMA	RXS35EBVMA
Casing colour				Ivory white			
Compressor	Type			Hermetically sealed swing type			
	Motor output	W		600			
Refrigerant charge (R-410A)			kg	1.0			
Sound levels (H/L)	Cooling	dB (A)		46/43	47/44	46/43	47/44
	Heating			—	—	47/44	48/45
Dimensions (H x W x D)				550 x 765 x 285			
Machine weight				34			
Operation range	Cooling	*CDB		10 to 46		10 to 46	
	Heating	*CWB		—		—10 to 20	
Piping connections	Liquid			ø6.4			
	Gas			ø9.5			
	Drain			ø18.0			
Max. piping length			m	20			
Max. height difference				15			

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 7.5 m.
2. Heating capacity is based on: indoor temp. 20 °CDB; outdoor temp. 7 °CDB, 6 °CWB; piping length 7.5 m.
3. Sound levels are based on the temperature conditions 1. and 2. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Specifications

FTK(X)S50/60/71F

Model name	Indoor unit			Cooling only			Heat pump			
	Outdoor unit			FTKS50FVM	FTKS60FVM	FTKS71FVM	FTXS50FVMA	FTXS60FVMA	FTXS71FVMA	
				RKS50FVM	RKS60FVM	RKS71FVM	RXS50FVMA	RXS60FVMA	RXS71FVMA	
Capacity	Cooling	Rated (Min.-Max.)	kW	5.0 (1.7-6.0)	6.0 (1.7-6.7)	7.1 (2.3-8.3)	5.0 (1.7-6.0)	6.0 (1.7-6.7)	7.1 (2.3-8.5)	
			Btu/h	17,100 (5,800-20,500)	20,500 (5,800-22,900)	24,200 (7,800-28,300)	17,100 (5,800-20,500)	20,500 (5,800-22,900)	24,200 (7,800-29,000)	
	Heating	Rated (Min.-Max.)	kW		—		5.8 (1.7-7.7)	7.0 (1.7-8.0)	8.2 (2.3-10.0)	
			Btu/h		—		19,800 (5,800-26,300)	23,900 (5,800-27,300)	28,000 (7,900-34,100)	
Power supply				1 phase, 220-240 V/220-230 V, 50/60 Hz						
Running current	Cooling	Rated	A	7.2		9.2	11.5	7.2	9.2	10.8
	Heating			—		—	7.4	9.4	11.6	
Power consumption	Cooling	Rated (Min.-Max.)	W	1,550 (440-2,080)		1,990 (440-2,400)	2,510 (570-3,580)	1,550 (440-2,080)	1,980 (440-2,390)	2,360 (570-3,200)
	Heating			—		—	1,600 (400-2,530)	2,040 (400-2,810)	2,520 (520-3,730)	
COP	Cooling	Rated	W/W	3.23		3.02	2.83	3.23	3.03	3.01
	Heating			—		—	3.63	3.43	3.25	
Indoor unit				FTKS50FVM	FTKS60FVM	FTKS71FVM	FTXS50FVMA	FTXS60FVMA	FTXS71FVMA	
Front panel colour				White						
Airflow rate (H)	Cooling	m³/min (cfm)		14.7 (519)		16.2 (572)	17.4 (614)	14.7 (519)	16.2 (572)	17.4 (614)
	Heating			—		—	16.2 (572)	17.4 (614)	21.5 (759)	
Fan speed				5 steps, quiet and automatic						
Sound levels (H/L/SL)	Cooling	dB (A)		43/34/31		45/36/33	46/37/34	44/35/32	45/36/33	46/37/34
	Heating			—		—	42/33/30	44/35/32	46/37/34	
Dimensions (H x W x D)				290 x 1,050 x 238						
Machine weight				12						
Outdoor unit				RKS50FVM	RKS60FVM	RKS71FVM	RXS50FVMA	RXS60FVMA	RXS71FVMA	
Casing colour				Ivory white						
Compressor	Type	Hermetically sealed swing type								
	Motor output	W	1,100		1,920	1,100		1,920		
Refrigerant charge (R-410A)			kg	1.50		1.70	1.50		2.30	
Sound levels (H/L)	Cooling	dB (A)		47/44		49/46	53/49	47/44	49/46	52/49
	Heating			—		—	48/45	49/46	52/49	
Dimensions (H x W x D)			mm	735 x 825 x 300						
Machine weight			kg	47		55	48		71	
Operation range	Cooling	°CDB °CWB		10 to 46						
	Heating			—15 to 18						
Piping connections	Liquid	mm		ø6.4						
	Gas			ø12.7		ø15.9		ø12.7		ø15.9
	Drain			ø18.0						
Max. piping length			m	30						
Max. height difference			m	20						

Note: The above values are based on operation with a 220 V, 50 Hz power supply.

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 7.5 m.
2. Heating capacity is based on: indoor temp. 20 °CDB; outdoor temp. 7 °CDB, 6 °CWB; piping length 7.5 m.
3. Sound levels are based on the temperature conditions 1. and 2. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.